

WEST Search History

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DATE: Saturday, September 10, 2005

| <u>Hide?</u> | <u>Set</u> | <u>Query</u> | <u>Hit Count</u> |
|--|------------|--|------------------|
| <i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i> | | | |
| <input type="checkbox"/> | L64 | and ((drum or shutter or cover or shield\$4) with (arm or support or projection)) | 0 |
| <input type="checkbox"/> | L64 | 20040114959 | 2 |
| <input type="checkbox"/> | L63 | L62 and ((drum or shutter or cover or shield\$4) with (arm or support or projection)) | 1 |
| <input type="checkbox"/> | L62 | L61 and ((toner) with (cartridge)) | 8 |
| <input type="checkbox"/> | L61 | L60 and (matthew.in.) | 975 |
| <input type="checkbox"/> | L60 | ("daniels".in.) | 114892 |
| <input type="checkbox"/> | L59 | L58 and ((toner) with (cartridge)) | 9 |
| <input type="checkbox"/> | L58 | L57 and ((drum or shutter or cover or shield\$4) with (arm or support or projection)) | 66 |
| | L56 | L56 and ((waste or ((used or old or used-up or empty) with toner) or trash or rubbish) with (bin or receptacle or contain\$4 or collection or collect\$3 or device or reservoir)) | 1439 |
| <input type="checkbox"/> | L56 | (daniels.in.) | 114892 |
| <input type="checkbox"/> | L55 | ((reus\$3 or recycl\$3 or convert\$3 or conversion) with ((toner) with (cartridge)) with (different or another) with (type or kind or model\$3)) | 4 |
| <input type="checkbox"/> | L54 | L53 and (model\$3) | 7 |
| | L52 | L52 and ((waste or ((used or old or used-up or empty) with toner) or trash or rubbish) with (bin or receptacle or contain\$4 or collection or collect\$3 or device or reservoir)) | 89 |
| <input type="checkbox"/> | L52 | L51 and ((drum or shutter or cover or shield\$4) with (arm or support or projection)) | 128 |
| <input type="checkbox"/> | L51 | L50 and (arm or support or projection) | 144 |
| <input type="checkbox"/> | L50 | L49 and (operat\$3 or operation\$4 or function\$4 or work\$4) | 177 |
| | L48 | L48 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4 or conver\$4 or convert\$3) with ((toner) with (cartridge))) | 181 |
| <input type="checkbox"/> | L48 | L47 and ((toner) with (cartridge)) | 1055 |
| <input type="checkbox"/> | L47 | ((drum) with (cover\$4 or shutter or shield\$3)) | 39119 |
| <input type="checkbox"/> | L46 | L45 and (jig) | 5 |
| <input type="checkbox"/> | L45 | L44 and (((toner) with (cartridge)) with ((drum) with (cover\$4 or shutter or shield\$3))) | 22 |
| | L44 | L43 and ((remov\$4 or cut\$4) with (cover\$4 or shutter or shield\$3 or arm or | 123 |

| | | |
|--------------------------|--|------|
| <input type="checkbox"/> | support)) | |
| <input type="checkbox"/> | L43 L42 and ((drum) with (cover\$4 or shutter or shield\$3)) | 167 |
| | L41 and ((waste or ((used or old or used-up or empty) with toner) or trash or | |
| <input type="checkbox"/> | rubbish) with (bin or receptacle or contain\$4 or collection or collect\$3 or device | 550 |
| | or reservoir)) | |
| <input type="checkbox"/> | L41 L40 and (toner) | 1221 |
| <input type="checkbox"/> | L40 ((cartridge) with (recycl\$4 or conver\$4 or refurbish\$4 or remanufactur\$4)) | 7670 |
| <input type="checkbox"/> | L39 L38 and ((drum) with (cover\$4 or shutter or shield\$3)) | 2 |
| | L37 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or | |
| | adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) with | |
| <input type="checkbox"/> | ((toner) with (cartridge)) with(operat\$4 or function\$4 or work\$4) with (first or | 25 |
| | primary or initial or type or kind) with (second or secondary or another or type | |
| | or kind)) | |
| | L36 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or | |
| <input type="checkbox"/> | adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) with | 35 |
| | ((toner) with (cartridge)) with(operat\$4 or function\$4 or work\$4) with (first or | |
| | primary or initial or type or kind)) | |
| | L35 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or | |
| <input type="checkbox"/> | adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) with | 163 |
| | ((toner) with (cartridge)) with(operat\$4 or function\$4 or work\$4)) | |
| <input type="checkbox"/> | L34 and (first or primary or initial or second or secondary or another or type or | 912 |
| | kind) | |
| <input type="checkbox"/> | L33 and (first or primary or initial or system or device or apparatus on | 970 |
| | instrument or printer or copier or xerograp\$4) | |
| <input type="checkbox"/> | L31 and (operat\$3 or operation\$4 or function\$3 or functional or work\$4) | 978 |
| <input type="checkbox"/> | L32 L31 and (operat\$4 or function\$4 or work\$4) | 976 |
| | ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or | |
| <input type="checkbox"/> | adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) with ((toner) with | 1231 |
| | (cartridge))) | |
| <input type="checkbox"/> | L29 and (jig) | 12 |
| <input type="checkbox"/> | L28 and ((remov\$4 or cut\$4) with (cover\$4 or shutter or shield\$3 or arm or | 88 |
| | support)) | |
| <input type="checkbox"/> | L28 L26 and (remov\$4 or cut\$4) | 118 |
| <input type="checkbox"/> | L27 L26 and ((mount\$4 or attach\$4 or secur\$3) with (chip)) | 5 |
| <input type="checkbox"/> | L26 L25 and ((drum) with (cover\$4 or shutter or shield\$3)) | 119 |
| | L17 and ((waste or ((used or old or used-up or empty) with toner) or trash or | |
| <input type="checkbox"/> | rubbish) with (bin or receptacle or contain\$4 or collection or collect\$3 or | 425 |
| | device)) | |
| <input type="checkbox"/> | L24 L20 and((mount\$4 or attach\$4 or secur\$3) with (chip)) | 4 |
| <input type="checkbox"/> | L23 L22 and((mount\$4 or attach\$4 or secur\$3) with (chip)) | 2 |
| <input type="checkbox"/> | L22 L21 and (jig) | 5 |
| <input type="checkbox"/> | L21 L20 and (patch\$4 or cover\$4 or fill\$3) | 40 |
| <input type="checkbox"/> | L20 L19 and (remov\$4 or hole or mount\$4 or cut\$4 or attach\$4) | 41 |

| | | | |
|---|-----|--|--------|
| □ | L19 | L18 and ((waste or ((used or old or used-up or empty) with toner) or trash or rubbish) with (bin or receptacle or contain\$4 or collection or collect\$3 or device)) | 41 |
| □ | L18 | L17 and ((shutter or shield\$3 or aperature or iris) with (arm or support or chip)) | 59 |
| □ | L17 | L16 and (drum) | 715 |
| □ | L16 | L15 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) with ((toner) with (cartridge))) | 1231 |
| □ | L15 | L2 and (modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4 or remanufactur\$4 or recondition\$4) | 10262 |
| □ | L14 | L2 and (modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4 and remanufactur\$4 or recondition\$4) | 9130 |
| □ | L13 | L12 and (jig or cutter) | 1 |
| □ | L12 | L11 and ((shutter or shield\$3 or aperature or iris) with (arm or support or chip)) | 23 |
| □ | L11 | L10 and (arm or support or chip) | 68 |
| □ | L10 | L8 and ((drum) with (shutter or shield\$3 or aperature or iris)) | 84 |
| □ | L9 | L8 and (shutter or shield\$3 or aperature or iris) | 182 |
| □ | L8 | L7 and (drum) | 529 |
| □ | L7 | L6 and (bin or receptacle or contain\$4 or collection or collect\$3 or device) | 745 |
| □ | L6 | L5 and (waste or ((used or old or used-up or empty) with toner) or trash or rubbish) | 777 |
| □ | L5 | L4 and ((modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4) with ((toner) with (cartridge))) | 1111 |
| □ | L4 | L3 and ((toner) with (cartridge)) | 6567 |
| □ | L3 | L2 and (modify\$3 or modifi\$4 or modification or refurbish\$4 of alter\$3 or adapt\$4 or adjust\$3 or chang\$4) | 10211 |
| □ | L2 | L1 and (cartridge) | 19425 |
| □ | L1 | (toner) | 215991 |

END OF SEARCH HISTORY

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| Generate OACS | | | | |

Search Results - Record(s) 1 through 1 of 1 returned.

1. Document ID: US 20040170445 A1

Using default format because multiple data bases are involved.

L13: Entry 1 of 1

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | References | Sequences | Attachments | Claims | KMC | Drawn P. |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|

| | | | | | |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|--|-----------|
| JIG | 128479 |
| JIGS | 22461 |
| CUTTER | 288082 |
| CUTTERS | 77948 |
| (12 AND (JIG OR CUTTER)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 1 |
| (L12 AND (JIG OR CUTTER)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 1 |

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20050196180 A1

Using default format because multiple data bases are involved.

L22: Entry 1 of 5

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050196180
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050196180 A1

TITLE: Cartridge, identification information tag and image forming device

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|--------------|-------|---------|---------|
| Harumoto, Katsumi | Iwatsuki-shi | | JP | |

US-CL-CURRENT: 399/12

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KJUC](#) [Drawings](#)

2. Document ID: US 20040170445 A1

L22: Entry 2 of 5

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KJUC](#) [Drawings](#)

3. Document ID: US 20040126131 A1

L22: Entry 3 of 5

File: PGPB

Jul 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040126131

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040126131 A1

TITLE: Remanufacturing method for developer supplying device

PUBLICATION-DATE: July 1, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|------------|-------|---------|---------|
| Numagami, Atsushi | Hadano-shi | | JP | |
| Matsuda, Kenji | Numazu-shi | | JP | |
| Fujita, Akiyoshi | Numazu-shi | | JP | |

US-CL-CURRENT: 399/109[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#) 4. Document ID: US 20020034398 A1

L22: Entry 4 of 5

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020034398 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|---------------|-------|---------|---------|
| Higeta, Akira | Funabashi-shi | | JP | |
| Yasuda, Satoshi | Tokyo | | JP | |
| Kakumi, Yoshiyuki | Tuchiura-shi | | JP | |

US-CL-CURRENT: 399/109; 399/113[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#) 5. Document ID: US 6615008 B2

L22: Entry 5 of 5

File: USPT

Sep 2, 2003

US-PAT-NO: 6615008

DOCUMENT-IDENTIFIER: US 6615008 B2

** See image for Certificate of Correction **

TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Higeta; Akira | Funabashi | | | JP |
| Yasuda; Satoshi | Tokyo | | | JP |
| Kakumi; Yoshiyuki | Tuchiura | | | JP |

US-CL-CURRENT: 399/109; 399/11

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| Term | Documents |
|---|-----------|
| JIG | 128479 |
| JIGS | 22461 |
| (21 AND JIG).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 5 |
| (L21 AND (JIG)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 5 |

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1. Document ID: US 20050196180 A1

Using default format because multiple data bases are involved.

L23: Entry 1 of 2

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050196180
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050196180 A1

TITLE: Cartridge, identification information tag and image forming device

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|--------------|-------|---------|---------|
| Harumoto, Katsumi | Iwatsuki-shi | | JP | |

US-CL-CURRENT: 399/12

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2. Document ID: US 20040170445 A1

L23: Entry 2 of 2

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

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| Term | Documents |
|---|-----------|
| CHIP | 639905 |
| CHIPS | 286857 |
| MOUNT\$4 | 0 |
| MOUNT | 1063917 |
| MOUNTA | 446 |
| MOUNTAA | 3 |
| MOUNTAAD | 1 |
| MOUNTAALE | 1 |
| MOUNTAAM | 1 |
| MOUNTAA-N | 1 |
| MOUNTAB | 101 |
| (L22 AND((MOUNT\$4 OR ATTACH\$4 OR SECUR\$3) WITH (CHIP))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 2 |

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Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20050196180 A1

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L24: Entry 1 of 4

File: PGPB

Sep 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050196180
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050196180 A1

TITLE: Cartridge, identification information tag and image forming device

PUBLICATION-DATE: September 8, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|--------------|-------|---------|---------|
| Harumoto, Katsumi | Iwatsuki-shi | | JP | |

US-CL-CURRENT: 399/12

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2. Document ID: US 20050135836 A1

L24: Entry 2 of 4

File: PGPB

Jun 23, 2005

PGPUB-DOCUMENT-NUMBER: 20050135836
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20050135836 A1

TITLE: Methods for printer cartridge conversion

PUBLICATION-DATE: June 23, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|--------------------|--------------|-------|---------|---------|
| Rogers, Justin Lee | Sanford | NC | US | |
| Jones, James H. | Fayetteville | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Draw](#)

3. Document ID: US 20040170445 A1

L24: Entry 3 of 4

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMPC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|------|-------|

 4. Document ID: US 20040170445 A1

L24: Entry 4 of 4

File: DWPI

Sep 2, 2004

DERWENT-ACC-NO: 2004-651594

DERWENT-WEEK: 200463

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TITLE: Toner cartridge modification method for laser printer, involves removing portion of shutter arm provided in drum shutter connected to waste bin, and portion of waste bin, simultaneously

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | Claims | KMPC | Drawn |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--------|------|-------|

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|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|-----------|-----------|
| CHIP | 639905 |
| CHIPS | 286857 |
| MOUNT\$4 | 0 |
| MOUNT | 1063917 |
| MOUNTA | 446 |
| MOUNTAA | 3 |
| MOUNTAAD | 1 |
| MOUNTAALE | 1 |

| | |
|---|---|
| MOUNTAAM | 1 |
| MOUNTAA-N | 1 |
| (L20 AND((MOUNT\$4 OR ATTACH\$4 OR SECUR\$3) WITH (CHIP))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |

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1. Document ID: US 20040170445 A1

Using default format because multiple data bases are involved.

L27: Entry 1 of 5

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

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2. Document ID: US 20010055493 A1

L27: Entry 2 of 5

File: PGPB

Dec 27, 2001

PGPUB-DOCUMENT-NUMBER: 20010055493

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010055493 A1

TITLE: Image forming apparatus

PUBLICATION-DATE: December 27, 2001

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------------|-------|---------|---------|
| Asanuma, Masato | Nara-shi | | JP | |
| Takenouchi, Kouichi | Tenri-shi | | JP | |
| Naoi, Hiroo | Nara-Shi | | JP | |
| Fujita, Syouichi | Kashiba-shi | | JP | |
| Sakita, Hirofumi | Tenri-shi | | JP | |
| Saiko, Hideji | Kitakatsuragi-gun | | JP | |

US-CL-CURRENT: 399/25; 399/26, 399/27

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KINIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|

3. Document ID: US 6512896 B2

L27: Entry 3 of 5

File: USPT

Jan 28, 2003

US-PAT-NO: 6512896

DOCUMENT-IDENTIFIER: US 6512896 B2

TITLE: Image forming apparatus with detachable mounting process cartridge

DATE-ISSUED: January 28, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|---------|-------|----------|---------|
| Asanuma; Masato | Nara | | | JP |
| Takenouchi; Kouichi | Tenri | | | JP |
| Naoi; Hiroo | Nara | | | JP |
| Fujita; Syouichi | Kashiba | | | JP |
| Sakita; Hirofumi | Tenri | | | JP |
| Saiko; Hideji | Nara | | | JP |

US-CL-CURRENT: 399/25; 399/26, 399/27

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KINIC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-------|----------|

4. Document ID: US 5937239 A

L27: Entry 4 of 5

File: USPT

Aug 10, 1999

US-PAT-NO: 5937239

DOCUMENT-IDENTIFIER: US 5937239 A

** See image for Certificate of Correction **TITLE: Process cartridge and electrophotographic image forming apparatus

DATE-ISSUED: August 10, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|---------------------|----------|-------|----------|---------|
| Watanabe; Kazushi | Mishima | | | JP |
| Uchiyama; Seiji | Numazu | | | JP |
| Ito; Yoshihiro | Yokohama | | | JP |
| Numagami; Atsushi | Mishima | | | JP |
| Yokoyama; Katsunori | Susono | | | JP |

US-CL-CURRENT: 399/111; 399/113, 399/25, 399/90

| | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | TOC | Draw |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|------|

5. Document ID: US 20040170445 A1

L27: Entry 5 of 5

File: DWPI

Sep 2, 2004

DERWENT-ACC-NO: 2004-651594

DERWENT-WEEK: 200463

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Toner cartridge modification method for laser printer, involves removing portion of shutter arm provided in drum shutter connected to waste bin, and portion of waste bin, simultaneously

| | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | TOC | Draw |
|------|-------|----------|-------|--------|----------------|------|-----------|--------|-----|------|

| | | | | | |
|-------|---------------------|-------|----------|-----------|---------------|
| Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS |
|-------|---------------------|-------|----------|-----------|---------------|

| Term | Documents |
|--|-----------|
| CHIP | 639905 |
| CHIPS | 286857 |
| MOUNT\$4 | 0 |
| MOUNT | 1063917 |
| MOUNTA | 446 |
| MOUNTAA | 3 |
| MOUNTAAD | 1 |
| MOUNTAALE | 1 |
| MOUNTAAM | 1 |
| MOUNTAA-N | 1 |
| (L26 AND ((MOUNT\$4 OR ATTACH\$4 OR SECUR\$3) WITH (CHIP))) .PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 5 |

There are more results than shown above. Click here to view the entire set.

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[Generate OACS](#)

Search Results - Record(s) 1 through 12 of 12 returned.

1. Document ID: US 20040170445 A1

Using default format because multiple data bases are involved.

L30: Entry 1 of 12

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KJC](#) [Drawings](#)

2. Document ID: US 20040091282 A1

L30: Entry 2 of 12

File: PGPB

May 13, 2004

PGPUB-DOCUMENT-NUMBER: 20040091282

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040091282 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: May 13, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-----------------|----------|-------|---------|---------|
| Yokoi, Akiyoshi | Shizuoka | | JP | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KJC](#) [Drawings](#)

3. Document ID: US 20030228171 A1

L30: Entry 3 of 12

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030228171

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030228171 A1

TITLE: Developing blade, process cartridge, and electrophotographic image forming apparatus

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|----------|-------|---------|---------|
| Miyabe, Shigeo | Shizuoka | | JP | |
| Toba, Shinjiro | Shizuoka | | JP | |

US-CL-CURRENT: 399/111; 399/284[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Distro](#) 4. Document ID: US 20020172528 A1

L30: Entry 4 of 12

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020172528

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020172528 A1

TITLE: Process cartridge remanufacturing method, disassembling method and assembling method, positioning and connecting apparatus and process cartridge

PUBLICATION-DATE: November 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|--------------|-------|---------|---------|
| Sekine, Kazumi | Shizuoka-ken | | JP | |

US-CL-CURRENT: 399/109[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Sequences](#) [Attachments](#) [Claims](#) [TOC](#) [Distro](#) 5. Document ID: US 20020106213 A1

L30: Entry 5 of 12

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106213

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020106213 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|--------------|-------|---------|---------|
| Higeta, Akira | Shizuoka-ken | | JP | |
| Yasuda, Satoshi | Tokyo | | JP | |
| Kakumi, Yoshiyuki | Tuchiura-shi | | JP | |

US-CL-CURRENT: 399/104; 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#)

6. Document ID: US 20020034398 A1

L30: Entry 6 of 12

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020034398 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|---------------|-------|---------|---------|
| Higeta, Akira | Funabashi-shi | | JP | |
| Yasuda, Satoshi | Tokyo | | JP | |
| Kakumi, Yoshiyuki | Tuchiura-shi | | JP | |

US-CL-CURRENT: 399/109; 399/113

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#)

7. Document ID: US 6941092 B2

L30: Entry 7 of 12

File: USPT

Sep 6, 2005

US-PAT-NO: 6941092

DOCUMENT-IDENTIFIER: US 6941092 B2

TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: September 6, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-----------------|----------|-------|----------|---------|
| Yokoi, Akiyoshi | Shizuoka | | | JP |

US-CL-CURRENT: 399/109

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | EMPC | Drawn D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|

8. Document ID: US 6836629 B2

L30: Entry 8 of 12

File: USPT

Dec 28, 2004

US-PAT-NO: 6836629

DOCUMENT-IDENTIFIER: US 6836629 B2

** See image for Certificate of Correction **

TITLE: Developing blade, process cartridge, and electrophotographic image forming apparatus

DATE-ISSUED: December 28, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|----------|-------|----------|---------|
| Miyabe; Shigeo | Shizuoka | | | JP |
| Toba; Shinjiro | Shizuoka | | | JP |

US-CL-CURRENT: 399/111; 399/113, 399/284

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | EMPC | Drawn D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|

9. Document ID: US 6788908 B2

L30: Entry 9 of 12

File: USPT

Sep 7, 2004

US-PAT-NO: 6788908

DOCUMENT-IDENTIFIER: US 6788908 B2

** See image for Certificate of Correction **

TITLE: Process cartridge remanufacturing method, disassembling method and assembling method, positioning and connecting apparatus and process cartridge

DATE-ISSUED: September 7, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|----------------|--------------|-------|----------|---------|
| Sekine; Kazumi | Shizuoka-ken | | | JP |

US-CL-CURRENT: 399/109

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | | | | Claims | EMPC | Drawn D. |
|------|-------|----------|-------|--------|----------------|------|-----------|--|--|--|--------|------|----------|

10. Document ID: US 6721520 B2

L30: Entry 10 of 12

File: USPT

Apr 13, 2004

US-PAT-NO: 6721520

DOCUMENT-IDENTIFIER: US 6721520 B2

** See image for Certificate of Correction **

TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|--------------|-------|----------|---------|
| Higeta; Akira | Shizuoka-ken | | | JP |
| Yasuda; Satoshi | Tokyo | | | JP |
| Kakumi; Yoshiyuki | Tuchiura | | | JP |

US-CL-CURRENT: 399/109; 399/103, 399/104, 399/113

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KIMC](#) | [Drawings](#)

11. Document ID: US 6615008 B2

L30: Entry 11 of 12

File: USPT

Sep 2, 2003

US-PAT-NO: 6615008

DOCUMENT-IDENTIFIER: US 6615008 B2

** See image for Certificate of Correction **

TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Higeta; Akira | Funabashi | | | JP |
| Yasuda; Satoshi | Tokyo | | | JP |
| Kakumi; Yoshiyuki | Tuchiura | | | JP |

US-CL-CURRENT: 399/109; 399/11

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Abstract](#) | [Claims](#) | [KIMC](#) | [Drawings](#)

12. Document ID: US 5870654 A

L30: Entry 12 of 12

File: USPT

Feb 9, 1999

US-PAT-NO: 5870654

DOCUMENT-IDENTIFIER: US 5870654 A

** See image for Certificate of Correction **

TITLE: Process cartridge remanufacturing method and process cartridge

DATE-ISSUED: February 9, 1999

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|--------------------|-----------|-------|----------|---------|
| Sato; Minoru | Yokohama | | | JP |
| Odagawa; Kazuyoshi | Koshigaya | | | JP |
| Kobayashi; Hiroo | Yokohama | | | JP |
| Sasaki; Shinichi | Fujisawa | | | JP |
| Kurihara; Satoshi | Yokohama | | | JP |

US-CL-CURRENT: 399/109; 399/110, 399/111, 399/113[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [References](#) [Claims](#) [DAM](#) [Grab](#) [TOC](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

| Term | Documents |
|--|-----------|
| JIG | 128479 |
| JIGS | 22461 |
| (29 AND JIG).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 12 |
| (L29 AND (JIG)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 12 |

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Search Results - Record(s) 1 through 2 of 2 returned.

1. Document ID: US 20040170445 A1

Using default format because multiple data bases are involved.

L39: Entry 1 of 2

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawings](#)

2. Document ID: US 20030202823 A1

L39: Entry 2 of 2

File: PGPB

Oct 30, 2003

PGPUB-DOCUMENT-NUMBER: 20030202823

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030202823 A1

TITLE: Developing apparatus

PUBLICATION-DATE: October 30, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|-------|-------|---------|---------|
| Tamura, Masashige | Chiba | | JP | |

US-CL-CURRENT: 399/227

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KINIC](#) [Drawings](#)

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| Term | Documents |
|---|-----------|
| DRUM | 563842 |
| DRUMS | 111037 |
| SHUTTER | 188505 |
| SHUTTERS | 37138 |
| COVER\$4 | 0 |
| COVER | 2306753 |
| COVERA | 1281 |
| COVERAAC | 1 |
| COVERAAE | 49 |
| COVERAAES | 2 |
| COVERAAE: | 1 |
| (L38 AND ((DRUM) WITH (COVER\$4 OR SHUTTER OR SHIELD\$3))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 2 |

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 20040170445 A1

Using default format because multiple data bases are involved.

L46: Entry 1 of 5

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawn P](#)

2. Document ID: US 20020106213 A1

L46: Entry 2 of 5

File: PGPB

Aug 8, 2002

PGPUB-DOCUMENT-NUMBER: 20020106213
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020106213 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: August 8, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|--------------|-------|---------|---------|
| Higeta, Akira | Shizuoka-ken | | JP | |
| Yasuda, Satoshi | Tokyo | | JP | |
| Kakumi, Yoshiyuki | Tuchiura-shi | | JP | |

US-CL-CURRENT: 399/104; 399/109

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | References | Sequences | Attachments | Claims | DOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|

3. Document ID: US 20020034398 A1

L46: Entry 3 of 5

File: PGPB

Mar 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020034398

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020034398 A1

TITLE: Remanufacturing method for process cartridge

PUBLICATION-DATE: March 21, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|-------------------|---------------|-------|---------|---------|
| Higeta, Akira | Funabashi-shi | | JP | |
| Yasuda, Satoshi | Tokyo | | JP | |
| Kakumi, Yoshiyuki | Tuchiura-shi | | JP | |

US-CL-CURRENT: 399/109; 399/113

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | References | Sequences | Attachments | Claims | DOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|

4. Document ID: US 6721520 B2

L46: Entry 4 of 5

File: USPT

Apr 13, 2004

US-PAT-NO: 6721520

DOCUMENT-IDENTIFIER: US 6721520 B2

** See image for Certificate of Correction **

TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|--------------|-------|----------|---------|
| Higeta; Akira | Shizuoka-ken | | | JP |
| Yasuda; Satoshi | Tokyo | | | JP |
| Kakumi; Yoshiyuki | Tuchiura | | | JP |

US-CL-CURRENT: 399/109; 399/103, 399/104, 399/113

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | References | Sequences | Attachments | Claims | DOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|------------|-----------|-------------|--------|-----|----------|

5. Document ID: US 6615008 B2

L46: Entry 5 of 5

File: USPT

Sep 2, 2003

US-PAT-NO: 6615008

DOCUMENT-IDENTIFIER: US 6615008 B2

** See image for Certificate of Correction **TITLE: Remanufacturing method for process cartridge

DATE-ISSUED: September 2, 2003

INVENTOR-INFORMATION:

| NAME | CITY | STATE | ZIP CODE | COUNTRY |
|-------------------|-----------|-------|----------|---------|
| Higeta; Akira | Funabashi | | | JP |
| Yasuda; Satoshi | Tokyo | | | JP |
| Kakumi; Yoshiyuki | Tuchiura | | | JP |

US-CL-CURRENT: 399/109; 399/11[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Text](#) [Image](#) [Claims](#) [Kind](#) [Print](#) [PDF](#)[Clear](#) [Generate Collection](#) [Print](#) [Fwd Refs](#) [Bkwd Refs](#) [Generate OACS](#)

| Term | Documents |
|--|-----------|
| JIG | 128479 |
| JIGS | 22461 |
| (45 AND JIG).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 5 |
| (L45 AND (JIG)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 5 |

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[Generate OACS](#)

Search Results - Record(s) 1 through 4 of 4 returned.

1. Document ID: US 20040114959 A1

Using default format because multiple data bases are involved.

L55: Entry 1 of 4

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114959

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040114959 A1

TITLE: Method and apparatus for converting toner cartridges to fit various types of printing machines

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|---------------------|-----------|-------|---------|---------|
| Daniels, Matthew P. | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [Inventor](#) [Drawings](#)

2. Document ID: US 20020077979 A1

L55: Entry 2 of 4

File: PGPB

Jun 20, 2002

PGPUB-DOCUMENT-NUMBER: 20020077979

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020077979 A1

TITLE: Service management method, product-in-circulation to which the same is applied, service management device, service management network system, service management program, and computer-readable program product with the program stored thereon

PUBLICATION-DATE: June 20, 2002

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------|----------|-------|---------|---------|
| Nagata, Masaya | Nara-shi | | JP | |

US-CL-CURRENT: 705/40

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | TOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

3. Document ID: JP 2004219512 A

L55: Entry 3 of 4

File: JPAB

Aug 5, 2004

PUB-NO: JP02004219512A

DOCUMENT-IDENTIFIER: JP 2004219512 A

TITLE: PROCESS CARTRIDGE

PUBN-DATE: August 5, 2004

INVENTOR-INFORMATION:

NAME

COUNTRY

MASUDA, KATSUMI

INT-CL (IPC): G03 G 15/08; G03 G 21/10; G03 G 21/18

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | TOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

4. Document ID: JP 10142913 A

L55: Entry 4 of 4

File: JPAB

May 29, 1998

PUB-NO: JP410142913A

DOCUMENT-IDENTIFIER: JP 10142913 A

TITLE: IDENTIFICATION TYPE CARTRIDGE AND CARTRIDGE ATTACHABLE IMAGE FORMING DEVICE

PUBN-DATE: May 29, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

YOKOGAWA, NOBUHITO

OSHIMA, KIYOSHI

UMEZAWA, NOBUHIKO

INT-CL (IPC): G03 G 15/08; G03 G 21/18; G03 G 21/00; G03 G 21/00

| | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|
| Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | TOC | Drawings |
|------|-------|----------|-------|--------|----------------|------|-----------|-----------|-------------|--------|-----|----------|

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Bkwd Refs

Generate OACS

| | |
|-------------|-----------|
| Term | Documents |
| CONVERSION | 967176 |
| CONVERSIONS | 57121 |

| | |
|---|---------|
| TONER | 210476 |
| TONERS | 27605 |
| CARTRIDGE | 246900 |
| CARTRIDGES | 77626 |
| DIFFERENT | 4615218 |
| DIFFERENTS | 283 |
| ANOTHER | 13 |
| ANOTHERS | 112 |
| TYPE | 6042118 |
| ((REUS\$3 OR RECYCL\$3 OR CONVERT\$3 OR CONVERSION) WITH ((TONER) WITH (CARTRIDGE)) WITH (DIFFERENT OR ANOTHER) WITH (TYPE OR KIND OR MODEL\$3)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 4 |

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1. Document ID: US 20050185982 A1

Using default format because multiple data bases are involved.

L62: Entry 1 of 8

File: PGPB

Aug 25, 2005

PGPUB-DOCUMENT-NUMBER: 20050185982

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050185982 A1

TITLE: Method and apparatus for converting process cartridges to fit various types of printing machines

PUBLICATION-DATE: August 25, 2005

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|-----------|-------|---------|---------|
| <u>Daniels, Matthew P.</u> | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#)

2. Document ID: US 20040170445 A1

L62: Entry 2 of 8

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| <u>Daniels, Matthew P.</u> | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

[Full](#) [Title](#) [Citation](#) [Front](#) [Review](#) [Classification](#) [Date](#) [Reference](#) [Sequences](#) [Attachments](#) [Claims](#) [KMC](#) [Drawings](#)

3. Document ID: US 20040141768 A1

L62: Entry 3 of 8

File: PGPB

Jul 22, 2004

PGPUB-DOCUMENT-NUMBER: 20040141768

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040141768 A1

TITLE: PRINTER CARTRIDGE AND METHOD OF MAKING OR REFURBISHING

PUBLICATION-DATE: July 22, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|-----------|-------|---------|---------|
| <u>Daniels, Matthew P.</u> | Pittsboro | NC | US | |
| Lewis, Lawrence D. | Sanford | NC | US | |

US-CL-CURRENT: 399/109[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [DWC](#) | [Drawings](#) 4. Document ID: US 20040114959 A1

L62: Entry 4 of 8

File: PGPB

Jun 17, 2004

PGPUB-DOCUMENT-NUMBER: 20040114959

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040114959 A1

TITLE: Method and apparatus for converting toner cartridges to fit various types of printing machines

PUBLICATION-DATE: June 17, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|-----------|-------|---------|---------|
| <u>Daniels, Matthew P.</u> | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [References](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [DWC](#) | [Drawings](#) 5. Document ID: US 20040061742 A1

L62: Entry 5 of 8

File: PGPB

Apr 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040061742

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040061742 A1

TITLE: PRINTER CARTRIDGE AND METHOD OF MAKING OR REFURBISHING

PUBLICATION-DATE: April 1, 2004

INVENTOR-INFORMATION:

| | | | | |
|-------------------------|-----------|-------|---------|---------|
| NAME | CITY | STATE | COUNTRY | RULE-47 |
| <u>Daniels, Matthew</u> | Pittsboro | NC | US | |

US-CL-CURRENT: 347/50

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

6. Document ID: US 6904248 B2

L62: Entry 6 of 8

File: USPT

Jun 7, 2005

US-PAT-NO: 6904248

DOCUMENT-IDENTIFIER: US 6904248 B2

TITLE: Method and apparatus for converting process cartridges to fit various types of printing machines

DATE-ISSUED: June 7, 2005

INVENTOR-INFORMATION:

| | | | | |
|----------------------------|-----------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| <u>Daniels; Matthew P.</u> | Pittsboro | NC | | |

US-CL-CURRENT: 399/109

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#) | [Drawings](#)

7. Document ID: US 6801733 B2

L62: Entry 7 of 8

File: USPT

Oct 5, 2004

US-PAT-NO: 6801733

DOCUMENT-IDENTIFIER: US 6801733 B2

TITLE: Printer cartridge and method of making or refurbishing

DATE-ISSUED: October 5, 2004

INVENTOR-INFORMATION:

| | | | | |
|----------------------------|-----------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| <u>Daniels; Matthew P.</u> | Pittsboro | NC | | |
| <u>Lewis; Lawrence D.</u> | Sanford | NC | | |

US-CL-CURRENT: 399/109; 29/402.01, 29/402.02, 29/402.09, 29/402.14, 29/402.16, 29/854, 29/890.1

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|--|--|--|--------|------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | References | | | | Claims | Full | Drawn |
|------|-------|----------|-------|--------|----------------|------|------------|--|--|--|--------|------|-------|

8. Document ID: US 6736487 B2

L62: Entry 8 of 8

File: USPT

May 18, 2004

US-PAT-NO: 6736487

DOCUMENT-IDENTIFIER: US 6736487 B2

TITLE: Printer cartridge and method of making or refurbishing

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

| | | | | |
|-------------------------|-----------|-------|----------|---------|
| NAME | CITY | STATE | ZIP CODE | COUNTRY |
| <u>Daniels; Matthew</u> | Pittsboro | NC | | |

US-CL-CURRENT: 347/50

| | | | | | | | | | | | | | |
|------|-------|----------|-------|--------|----------------|------|------------|--|--|--|--------|------|-------|
| Full | Title | Citation | Front | Review | Classification | Date | References | | | | Claims | Full | Drawn |
|------|-------|----------|-------|--------|----------------|------|------------|--|--|--|--------|------|-------|

| | | | | | |
|-----------------------|-------------------------------------|-----------------------|--------------------------|---------------------------|-------------------------------|
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|-----------------------|-------------------------------------|-----------------------|--------------------------|---------------------------|-------------------------------|

| Term | Documents |
|--|-----------|
| TONER | 210476 |
| TONERS | 27605 |
| CARTRIDGE | 246900 |
| CARTRIDGES | 77626 |
| (61 AND (TONER WITH CARTRIDGE)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 8 |
| (L61 AND ((TONER) WITH (CARTRIDGE))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD. | 8 |

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1. Document ID: US 20040170445 A1

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L63: Entry 1 of 1

File: PGPB

Sep 2, 2004

PGPUB-DOCUMENT-NUMBER: 20040170445

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040170445 A1

TITLE: Systems and methods for toner cartridge conversion

PUBLICATION-DATE: September 2, 2004

INVENTOR-INFORMATION:

| NAME | CITY | STATE | COUNTRY | RULE-47 |
|----------------------------|-------------|-------|---------|---------|
| Moore, Darin L. | Morrisville | NC | US | |
| <u>Daniels, Matthew P.</u> | Pittsboro | NC | US | |

US-CL-CURRENT: 399/109

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| Term | Documents |
|------------|-----------|
| DRUM | 563842 |
| DRUMS | 111037 |
| SHUTTER | 188505 |
| SHUTTERS | 37138 |
| COVER | 2306753 |
| COVERS | 653894 |
| ARM | 1497855 |
| ARMS | 900635 |
| SUPPORT | 3534442 |
| SUPPORTS | 1204320 |
| PROJECTION | 848694 |

(L62 AND ((DRUM OR SHUTTER OR COVER OR SHIELD\$4)
WITH (ARM OR SUPPORT OR
PROJECTION))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.

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